

CLAIMS

What is claimed is:

1. An azeotrope-like composition comprising effective amounts of HFO-1234yf and CF₃I.
2. The azeotrope-like composition of claim 1 which consists essentially of from about 25 to less than 100 weight percent HFO-1234yf and from greater than zero to about 75 weight percent of CF₃I.
3. The azeotrope-like composition of claim 1 which consists essentially of from about 30 to about 85 weight percent HFO-1234yf and from about 15 to about 70 weight percent of CF₃I.
4. The azeotrope-like composition of claim 1 which consists essentially of from about 35 to about 70 weight percent HFO-1234yf and from about 30 to about 65 weight percent of CF₃I.
5. The azeotrope-like composition of claim 1 which consists essentially of from about 45 to about 70 weight percent HFO-1234yf and from about 30 to about 55 weight percent of CF₃I.
6. The azeotrope-like composition of claim 1 which consists essentially of from about 50 to about 60 weight percent HFO-1234yf and from about 40 to about 50 weight percent of CF₃I.
7. The azeotrope-like composition of claim 1 having a boiling point of from about -28°C to about -31°C at a pressure of about 14.26 psia.
8. The azeotrope-like composition of claim 1 having a boiling point of from about -29°C to about -31°C at a pressure of about 14.26 psia.
9. The azeotrope-like composition of claim 1 having a boiling point of from about -30°C to about -31°C at a pressure of about 14.26 psia.

10. The composition of claim 1 further comprising an effective stabilizing amount of stabilizer.

11. The composition of claim 10 wherein said stabilizer comprises at least one phenol compound and at least one epoxide selected from the group consisting of aromatic epoxides, alkyl epoxides, alkenyl epoxides, and combinations of two or more thereof.

12. The composition of claim 1 further comprising a lubricant.

13. The composition of claim 12 wherein said lubricant is selected from the group consisting of mineral oil, alkyl benzenes, polyol esters, polyalkylene glycols, and combinations of two or more thereof.

14. A refrigerant composition comprising an azeotrope-like composition of claim 1.

15. A refrigeration system comprising a refrigerant of claim 14.

16. A method for cooling an article which comprises condensing a refrigerant composition of claim 14 and thereafter evaporating said refrigerant composition in the vicinity of the article to be cooled.

17. A method for heating an article which comprises condensing a refrigerant composition of claim 14 in the vicinity of the article to be heated and thereafter evaporating said refrigerant composition.

18. A sprayable composition comprising a material to be sprayed and a propellant comprising an azeotrope-like composition of claim 1.

19. A sprayable composition according to claim 18 wherein the sprayable composition is an aerosol.

20. A blowing agent comprising an azeotrope-like composition of claim 1.